

Title (en)

Apparatus for assisting fault-finding in data processing systems.

Title (de)

Hilfsgerät zur Fehlersuche in Datenverarbeitungssystemen.

Title (fr)

Appareil de soutien au dépistage d'erreur dans les systèmes de traitement de données.

Publication

EP 0062978 A2 19821020 (EN)

Application

EP 82301462 A 19820322

Priority

GB 8110676 A 19810406

Abstract (en)

The invention relates to an apparatus for assisting fault-finding in a data processing system (10) having a target CPU (11 or 41) and a program under test. A record keeper (16) records input data and interrupts and a timing counter (21) measures time of interrupt or data input by counting instruction fetch events. The recorded information and each respective count is stored in a backing store (22). This produces a permanent record of external stimuli applied to the CPU (11 or 41) during program execution. Execution is replayed by a replay controller (30 or 48) arranged to re-run the program under test in combination with the recorded external stimuli applied at appropriate occurrence times. Replay may be carried out using a host computer incorporating a CPU simulator program.

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IPC 8 full level

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CPC (source: EP)

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Cited by

EP0260837A3; GB2476663A; EP0326283A1; US5109350A; EP0492671A3; US5371878A; GB2242291A; US5214780A; GB2242291B; WO8706738A1

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